			an
	Application No.	Applicant(s)	
Notice of Allowability	10/035,690 Examiner	CHEN ET AL. Art Unit	
	DAVID VU	2818	
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this ap or other appropriate communication GHTS. This application is subject to	plication. If not includ will be mailed in due	led course THIS
1. This communication is responsive to <u>07/25/03</u> .			
2. The allowed claim(s) is/are <u>1-8; 10-17& 21-24.</u>			
3. The drawings filed on <u>08 November 2001</u> are accepted by			
 Acknowledgment is made of a claim for foreign priority un a) ☐ All b) ☐ Some* c) ☐ None of the: 	der 35 U.S.C. § 119(a)-(d) or (f).		
 Certified copies of the priority documents have 	been received.		
Certified copies of the priority documents have	been received in Application No	•	
Copies of the certified copies of the priority doc	cuments have been received in this	national stage applica	ation from the
International Bureau (PCT Rule 17.2(a)).			
* Certified copies not received:			
 Acknowledgment is made of a claim for domestic priority ur reference was included in the first sentence of the specifica 	nder 35 U.S.C. § 119(e) (to a provisition or in an Application Data Sheet	ional application) sinc :. 37 CFR 1.78.	e a specific
(a) The translation of the foreign language provisional a	pplication has been received.		
Acknowledgment is made of a claim for domestic priority ur in the first sentence of the specification or in an Application	nder 35 U.S.C. §§ 120 and/or 121 si Data Sheet. 37 CFR 1.78.	nce a specific referen	ce was included
Applicant has THREE MONTHS FROM THE "MAILING DATE" of below. Failure to timely comply will result in ABANDONMENT of t	this communication to file a reply contribution. THIS THREE-MOI	omplying with the requ	uirements noted EXTENDABLE.
 A SUBSTITUTE OATH OR DECLARATION must be submi INFORMAL PATENT APPLICATION (PTO-152) which give 	tted. Note the attached EXAMINER es reason(s) why the oath or declara	'S AMENDMENT or Nation is deficient.	NOTICE OF
 CORRECTED DRAWINGS (as "replacement sheets") must (a) ☐ including changes required by the Notice of Draftsperson 1) ☐ hereto or 2) ☐ to Paper No 		948) attached	
	arraction filed		•
(b) ☐ including changes required by the proposed drawing composed (c) ☐ including changes required by the attached Examiner's		en approved by the E Office action of Paper	
Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the			aback) of
9. DEPOSIT OF and/or INFORMATION about the deposattached Examiner's comment regarding REQUIREMENT FOR THE	SIT OF BIOLOGICAL MATERIAL IN THE DEPOSIT OF BIOLOGICAL MA	nust be submitted. (TERIAL.	Note the
Attachm nt(s)			
1⊠ Notice of References Cited (PTO-892)	5∐ Notice of Informal Pa	tent Application (PTO	-152)
2☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	6⊠ Interview Summary (PTO-413), Paper No.	<u>12/05/03</u> .
Information Disclosure Statements (PTO-1449 or PTO/SB/08 Paper No.), 7☐ Examiner's Amendm	ent/Comment	
4☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	8⊠ Examiner's Statemer 9□ Other	t of Reasons for Allov	vance
David Nelms			
Supervisory Patent Examiner Technology Center 2800			
icumoral cond			

Art Unit: 2818

DETAILED ACTION

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Attorney Randy W. Tung on 12/05/03.

The applicant has been amended as follows:

In the claim 11, the phrase "claim 9" has been changed to--claim 10--

Reason for allowance

2. The following is an examiner's statement of reason for allowance: None of the references of record teaches or suggests a method for preventing the occurrence of undeveloped photoresist in semiconductor manufacturing process comprising the steps of: etching according to the trench line pattern through at least a thickness of the DARC layer to include a portion of the via plug; and etching according to the trench line pattern through a thickness portion of the dielectric insulating layer to form a trench line opening disposed substantially over a remaining portion of the via opening.

Application/Control Number: 10/035,690

Art Unit: 2818

Any comments considered necessary by applicant must be submitted no later than the

Page 3

payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for

Allowance".

Conclusion

3. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to David Vu whose telephone number is 703-305-0391. The new

phone number after January 08, 2004 will be (571) 272-1798. The examiner can normally be

reached on Monday-Friday 8:00am-5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, David Nelms can be reached on 703-308-4910. The new phone number after January

08, 2004 will be (571) 272-1787.

The fax phone numbers for the organization where this application or proceeding is

assigned is (703) 308-7722 for regular communications and for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding

should be directed to the receptionist whose telephone number is (703) 308-0956.

DV

David Vu.

Supervisory Patent Examiner

Technology Center 2800